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(Amended) An image processing method comprising the steps of:  
obtaining a plurality of sets of colorimetric data which correspond to  
respective light sources;  
inputting a viewing condition;  
selecting colorimetric data from the plurality of colorimetric data in  
accordance with the input viewing condition; and  
conjecturing colorimetric data corresponding to the input viewing  
condition based on the selected colorimetric data.

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4. (Amended) The method according to claim 1, wherein said selecting  
step includes selecting colorimetric data by comparing a chromaticity of a light source  
designated by the input viewing condition with chromaticities of the plurality of light  
sources to which the sets of colorimetric data correspond.

5. (Amended) The method according to claim 1, wherein said selecting  
step includes selecting colorimetric data by comparing a color temperature of a light source  
designated by the input viewing condition with color temperatures of the plurality to which  
the sets of colorimetric data correspond.

6. (Amended) The method according to claim 1, wherein said  
conjecturing step includes conjecturing colorimetric data corresponding to the input  
viewing condition by using a color appearance model.

Sub 7 8. (Amended) An image processing method comprising the steps of:  
obtaining a plurality of sets of colorimetric data which correspond to  
respective light sources;  
inputting a viewing condition;  
selecting colorimetric data from the plurality of sets of colorimetric  
data in accordance with the input viewing condition; and  
generating data for color matching corresponding to the input  
viewing condition based on the selected colorimetric data.

Sub 10. (Amended) The method according to claim 8, wherein said  
selecting step selects colorimetric data by comparing a chromaticity of a light source  
designated by the input viewing condition with chromaticities of the plurality of light  
sources to which the sets of colorimetric data correspond.

11. (Amended) The method according to claim 8, wherein said  
selecting step includes selecting colorimetric data by comparing a color temperature of a  
light source designated by the input viewing condition with color temperatures of the  
plurality of light sources to which the sets of colorimetric data correspond.

12. (Amended) The method according to claim 8, wherein said  
conjecturing step includes conjecturing colorimetric data corresponding to the input  
viewing condition by using a color appearance model.

13. (Amended) The method according to claim 8, wherein the generated data is cached to another profile in correspondence with the input viewing condition.

Sub 3 4. (Amended) An image processing apparatus comprising:  
an obtaining section, arranged to obtain a plurality of sets of colorimetric data which correspond to respective light sources;  
an inputting section, arranged to input a viewing condition;  
a selector, arranged to select colorimetric data from the plurality of sets of colorimetric data in accordance with the input viewing condition; and  
a conjecturing section, arranged to conjecture colorimetric data corresponding to the input viewing condition based on the selected colorimetric data.

Sub D1 15. (Amended) The apparatus according to claim 14, further comprising a cache arranged to cache the conjectured colorimetric data to the profile.

Sub C4 16. (Amended) An image processing apparatus comprising:  
an obtaining section, arranged to obtain a profile having a plurality of sets of colorimetric data which correspond to respective light sources;  
an inputting section, arranged to input a viewing condition;  
a selector, arranged to select colorimetric data from the plurality of sets of colorimetric data in accordance with the input viewing condition; and

a generator, arranged to generate data for color matching  
corresponding to the input viewing condition based on the selected colorimetric data.

Sub 17. (Amended) The apparatus according to claim 16, further comprising  
a caching section arranged to cache the generated data to the profile.

Sub 18. (Amended) A computer program product storing a computer  
readable medium having computer program codes, for an image processing method, said  
product comprising process procedure codes for:

obtaining a plurality of sets of colorimetric data which correspond  
respectively light sources;

inputting a viewing condition;

selecting colorimetric data from the plurality of sets of colorimetric  
data in accordance with the input viewing condition; and

conjecturing colorimetric data corresponding to the input viewing  
condition based on the selected colorimetric data.

Sub 20. (Amended) A computer program product storing a computer  
readable medium having computer program codes, for an image processing method  
performing color process on input image data based on a color appearance model, said  
product comprising process procedure codes for: